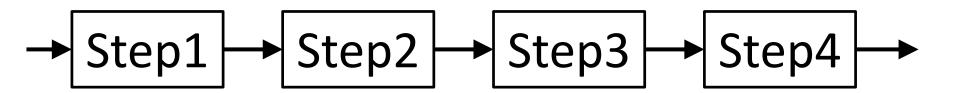


- CPU Instruction pipeline
- Graphics pipeline
- Various algorithms



A step can be executed by a:

- thread
- process
- hardware element



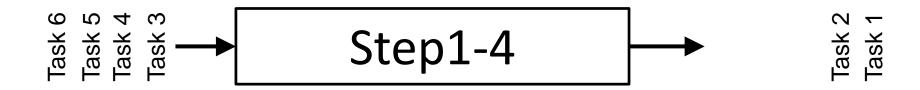




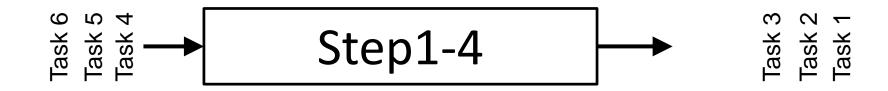


Task 1





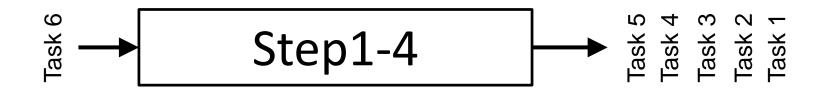








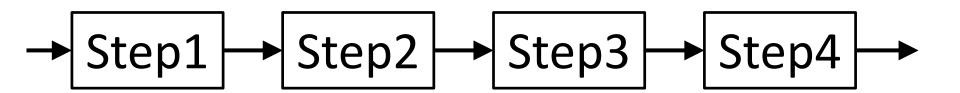




total_execution_time = task_execution_time * number_of_tasks

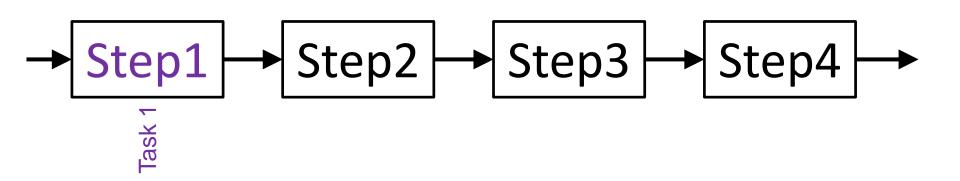


Task 6
Task 4
Task 4
Task 3
Task 2
Task 7



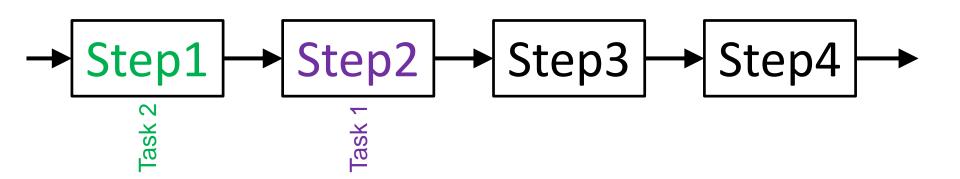


Task 6
Task 5
Task 4
Task 3
Task 2



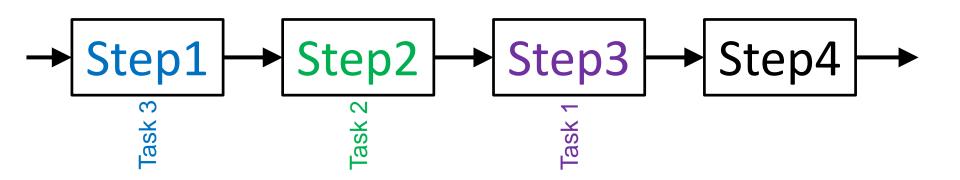


Task 6
Task 5
Task 4
Task 4



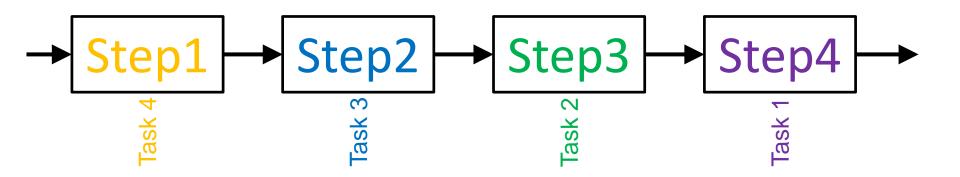


Task 6
Task 5
Task 4



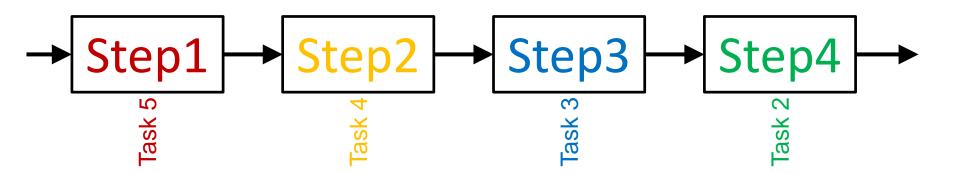


Task 6 Task 5

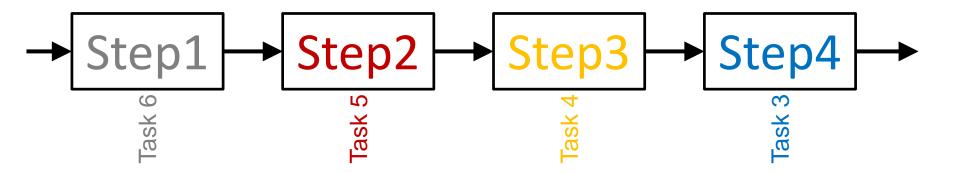




Task 6

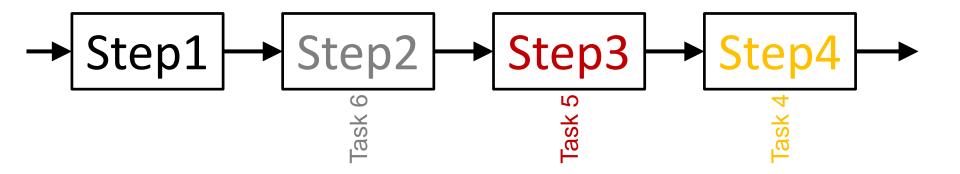






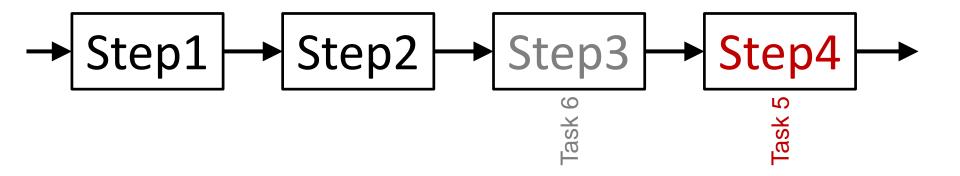
Task 1





Task 2
Task 1

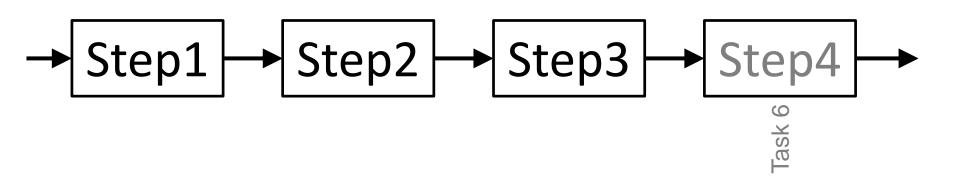




Task 3
Task 2
Task 2
Task 2



Ideal: $step_execution_time = \frac{task_execution_time}{number_of_steps}$



After number_of_steps tasks: total_execution_time = number_of_tasks * step_execution_time

One task finishes at every "step tick"

